

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (currently amended) A device for use with an ultrasonic transducer to lyse components of a fluid sample, the device comprising:
  - a) a cartridge having:
    - i) a lysing chamber;
    - ii) an inlet port in fluid communication with the lysing chamber; and
    - iii) an outlet port for exit of the sample from the lysing chamber, wherein the inlet and outlet ports are positioned to permit flow of the sample through the lysing chamber, and wherein the chamber is defined by at least one wall having an external surface ~~for~~ contacting to which the ultrasonic transducer may be coupled;
  - b) at least one membrane or filter positioned in the lysing chamber for capturing the sample components to be lysed as the sample flows through the chamber; and
  - c) beads disposed in the lysing chamber for rupturing the sample components.
2. (original) The device of claim 1, wherein the wall comprises a plastic film having a thickness in the range of 0.01 to 0.5 mm.
3. (currently amended) A device for use with an ultrasonic transducer to lyse components of a fluid sample, the device comprising:
  - a) a cartridge having:
    - i) a lysing chamber;
    - ii) an inlet port in fluid communication with the lysing chamber; and

- iii) an outlet port for exit of the sample from the lysing chamber, wherein the inlet and outlet ports are positioned to permit flow of the sample through the lysing chamber; and
- b) at least one solid phase in the lysing chamber for capturing the sample components to be lysed as the sample flows through the chamber;

wherein the lysing chamber is defined by at least one wall having an external surface ~~for contacting~~ to which the ultrasonic transducer may be coupled, and wherein the wall comprises a plastic film having a thickness in the range of 0.01 to 0.5 mm.

4. (original) The device of claim 1, wherein the solid phase comprises a membrane or filter for capturing the sample components, and the device further comprises beads in the lysing chamber for rupturing the sample components.